

Fig. 1

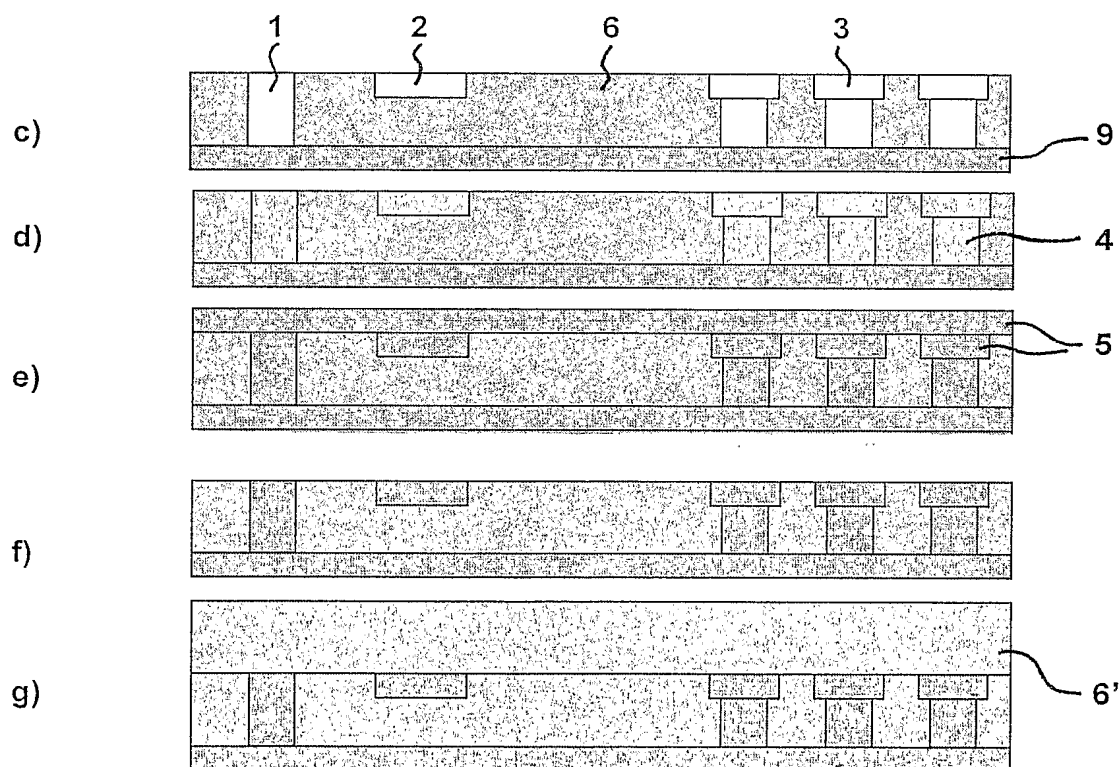


Fig. 2

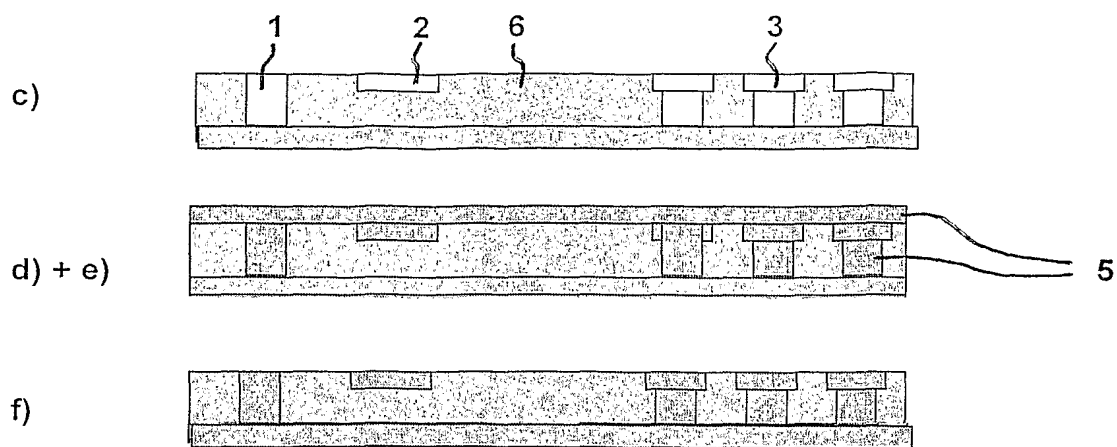


Fig. 3

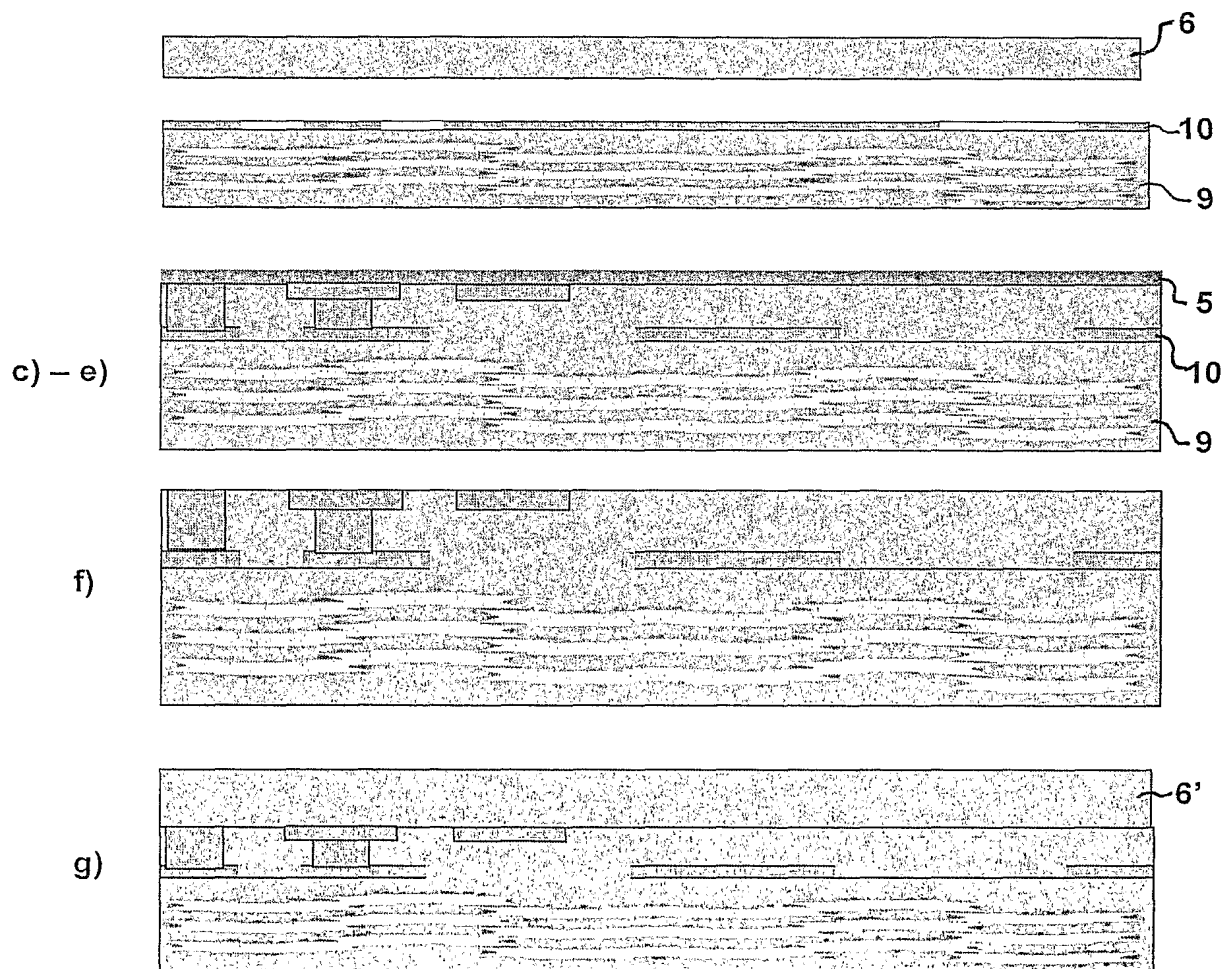


Fig. 4

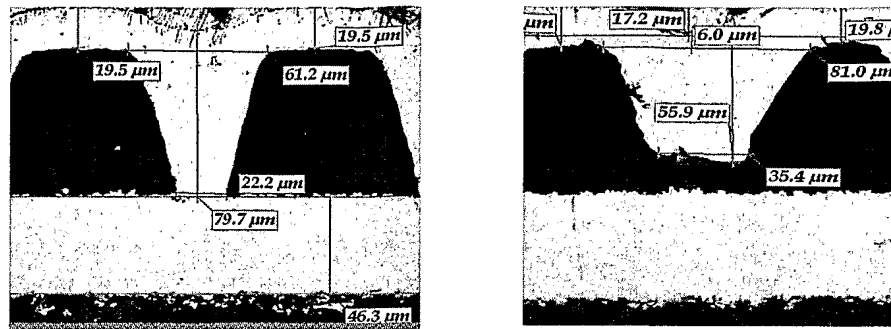


Fig. 5

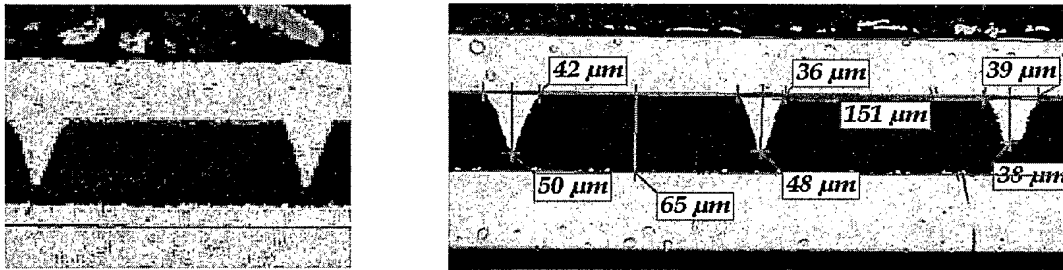


Fig. 6

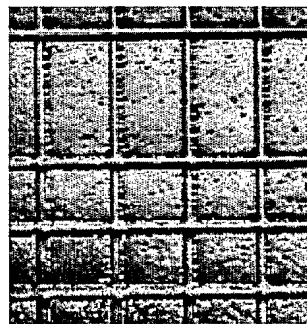


Fig. 7

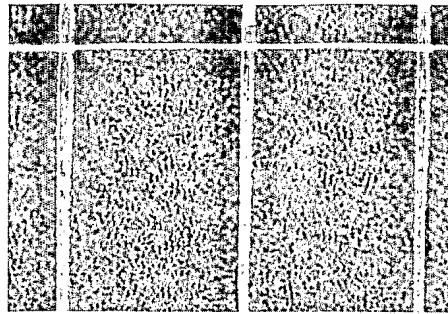


Fig. 8

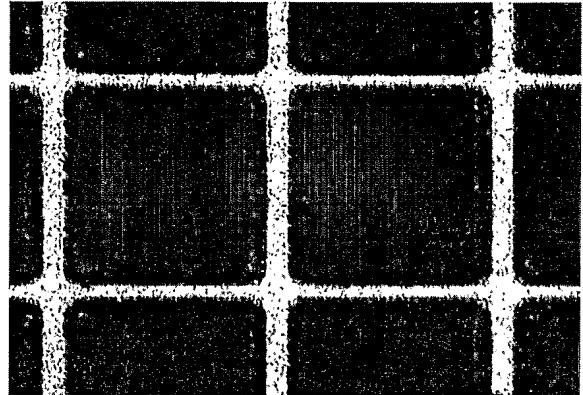
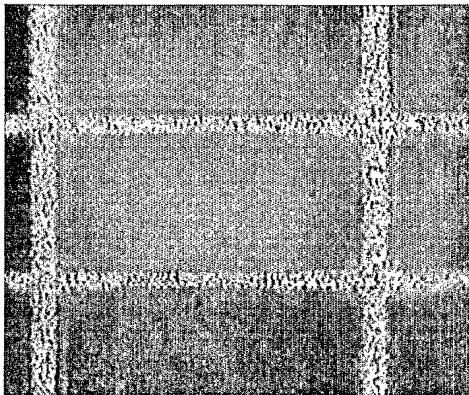


Fig. 9

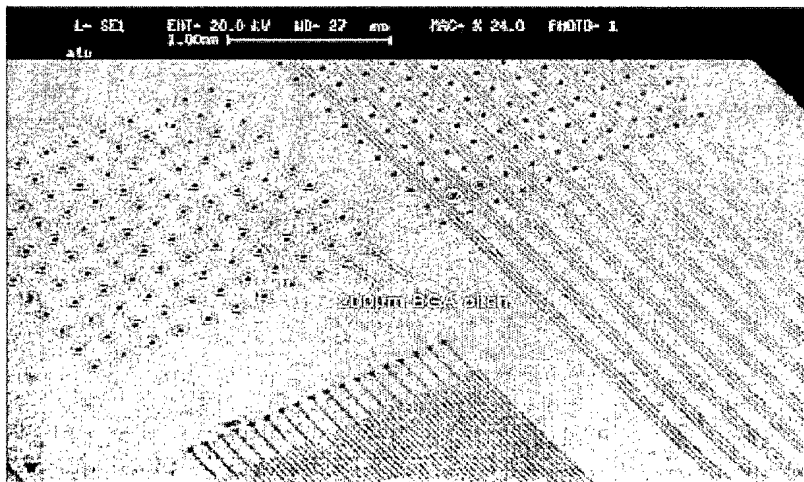


Fig. 10



Fig. 11

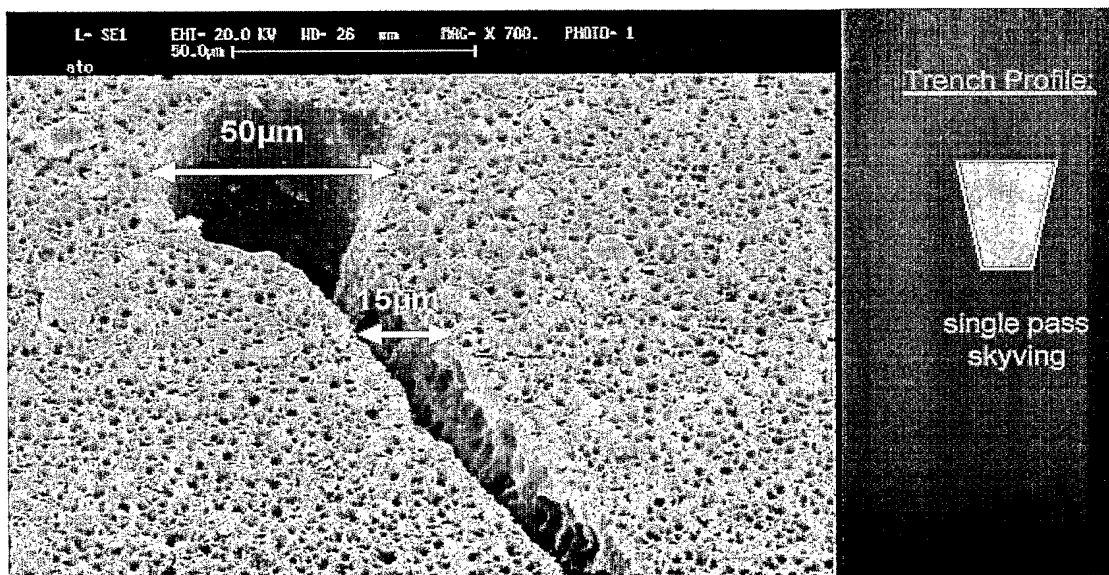
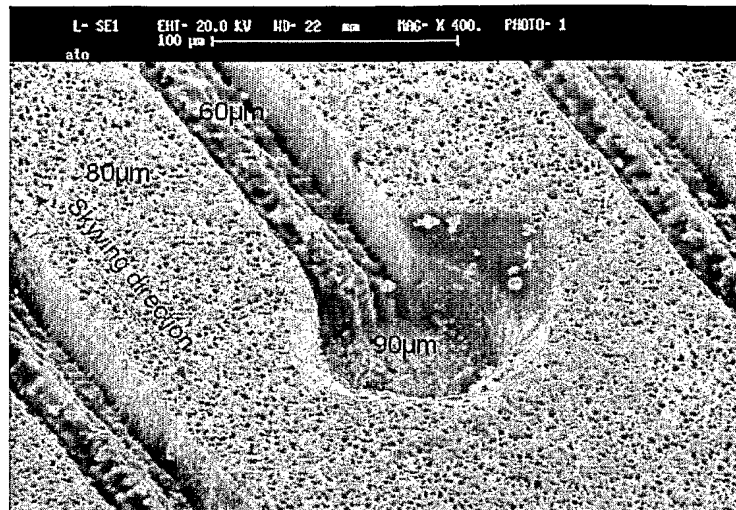
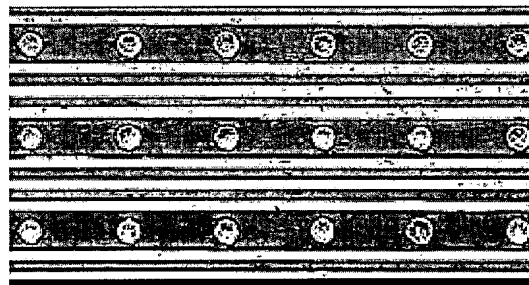


Fig. 12

**Via<sup>2</sup> - Process****Multi pass skiving – before laser polish - 0.8 mm BGA****SEM – Detail of hole trench intersection****Trench Profile****Multiple pass skiving****polished****Several different laser routines are possible.****Fig. 13****Fig. 14**

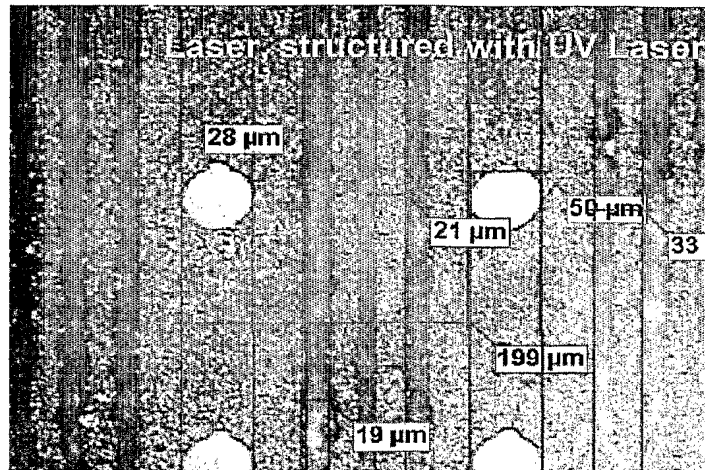


Fig. 15

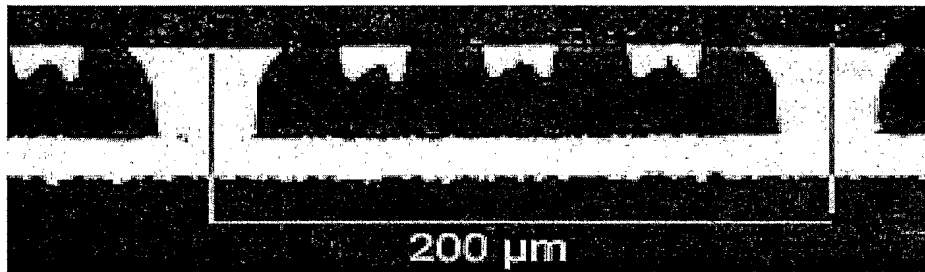


Fig. 16

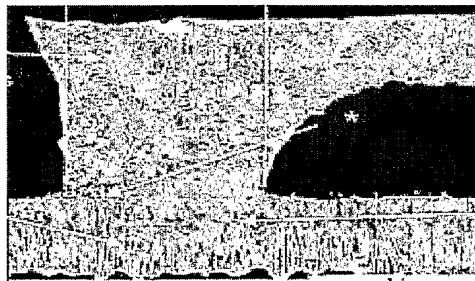


Fig. 17

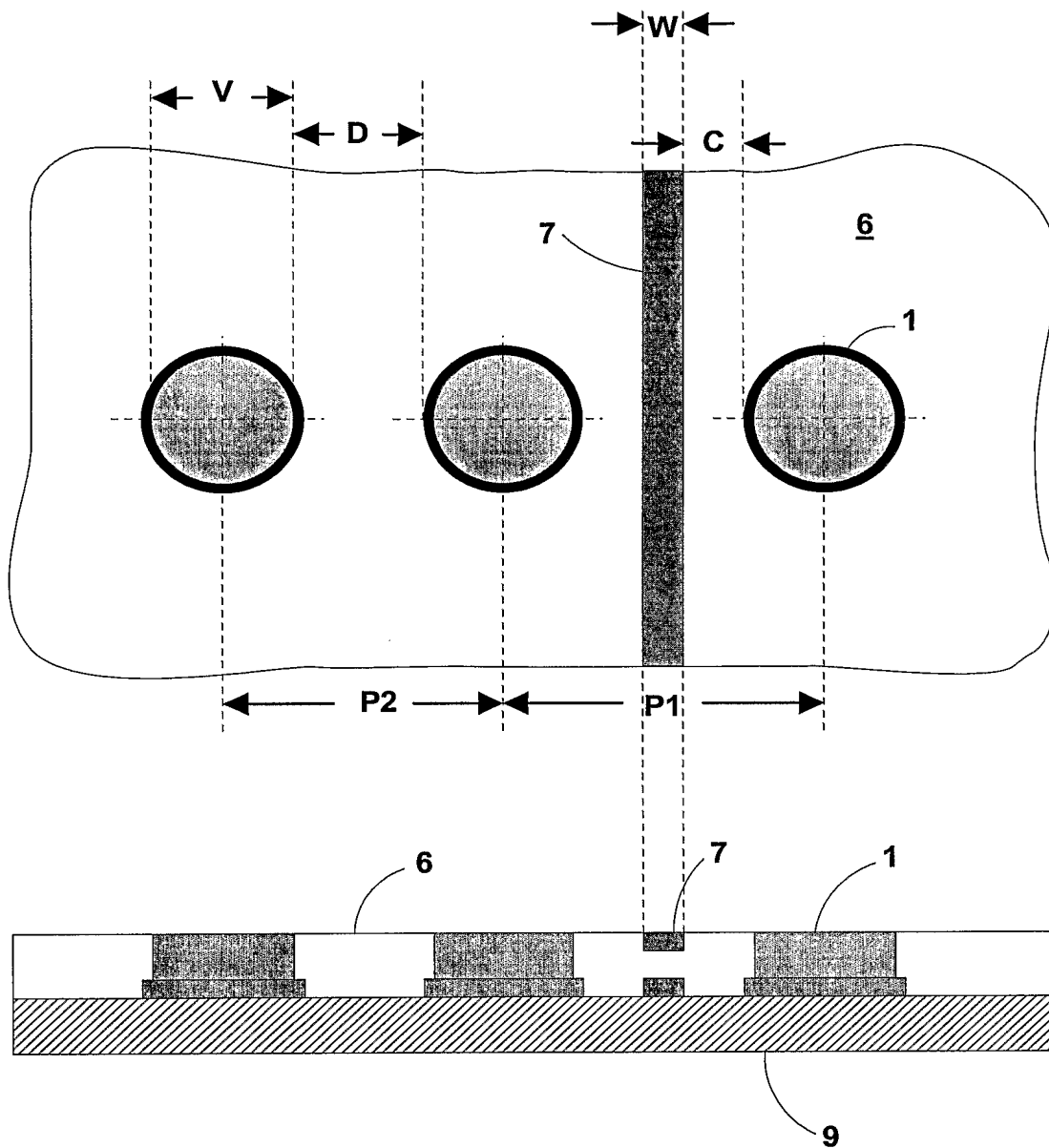


Fig. 18